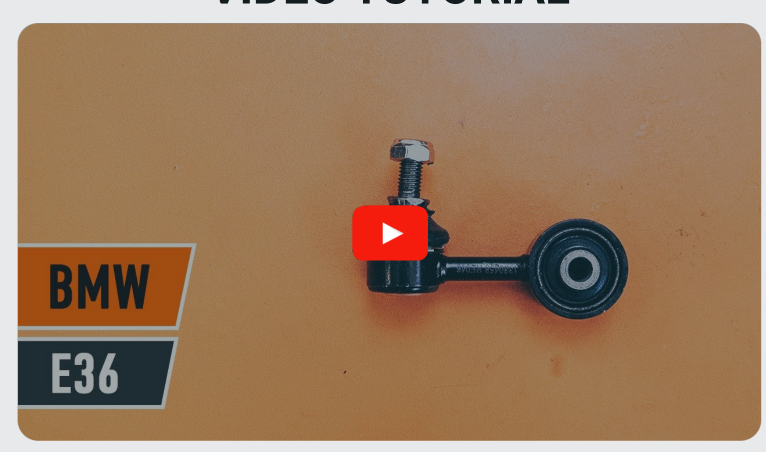
AUTODOC CLUB

How to change front anti roll bar links on **BMW E36** – replacement guide





VIDEO TUTORIAL



Important!

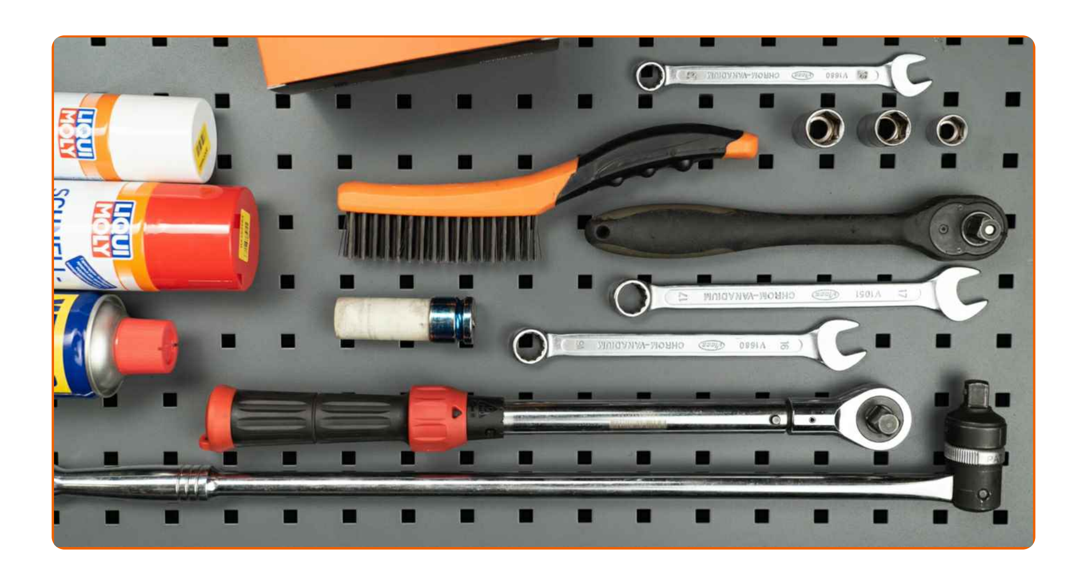
This replacement procedure can be used for:
BMW 3 Saloon (E30) 316 1.8 Ecotronic, BMW 3 Saloon (E30) 316i 1.6, BMW 3 Saloon (E30) 318i 1.8, BMW 3 Saloon (E30) 318is 1.8, BMW 3 Saloon (E30) 320i 2.0 (M20B20 (206KA)), BMW 3 Saloon (E30) 320i 2.0, BMW 3 Saloon (E30) 323i 2.3, BMW 3 Saloon (E30) 325i X 2.5, BMW 3 Saloon (E30) 325i 2.5, BMW 3 Saloon (E30) 325 e 2.7, BMW 3 Saloon (E30) 324d 2.4, BMW 3 Saloon (E30) 324td 2.4, BMW 3 Touring (E30) 318i 1.8, BMW 3 Touring (E30) 320i 2.0 (M20B20 (206KA)), BMW 3 Touring (E30) 325i 2.5, (+ 64)

The steps may slightly vary depending on the car design.





REPLACEMENT: ANTI ROLL BAR LINKS – BMW E36. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #13
- Combination spanner #16
- Combination spanner #17
- Drive socket # 13
- Drive socket # 16
- Drive socket # 17
- Wheel impact socket #17
- Ratchet wrench
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

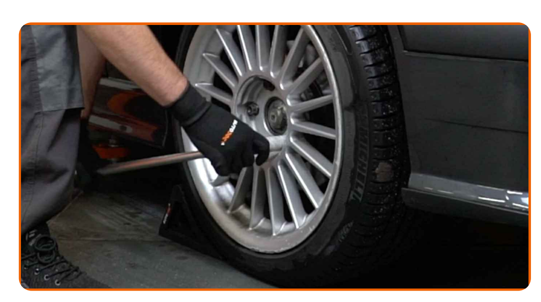
AUTODOC recommends:

- Replace the stabiliser links on BMW E36 in pairs.
- The replacement procedure is identical for both stabiliser links on the same axle.
- Please note: all work on the car – BMW E36 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



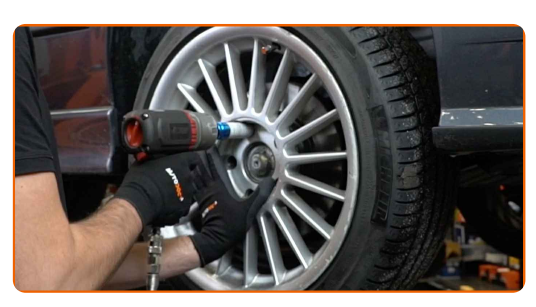
3 Raise the front of the car and secure on supports.







4 Unscrew the wheel bolts.



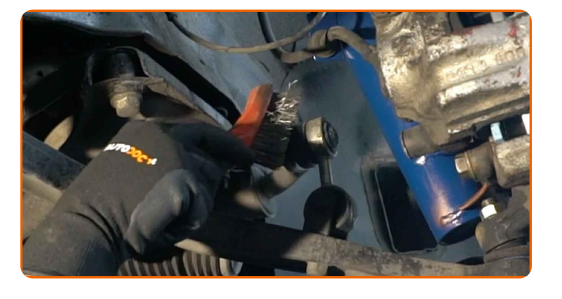
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. BMW E36

5 Remove the wheel.



6 Clean all joints of the stabiliser link. Use a wire brush. Use WD-40 spray.







7 Unscrew the fastener connecting the stabilizer bar with the control arm. Use a combination spanner #13. Use a drive socket #13. Use a ratchet wrench.



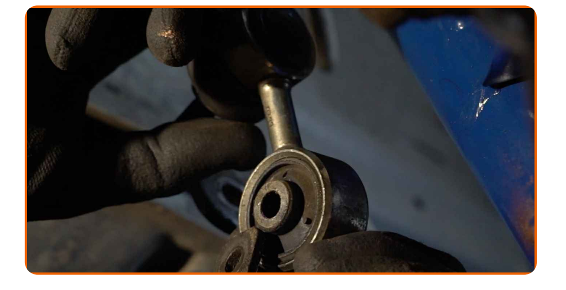
8 Remove the fastening bolt.



9 Unscrew the fastener connecting the stabilizer link to the stabilizer bar. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



10 Remove the stabilizer rod.









Replacement: anti roll bar links – BMW E36. AUTODOC experts recommend:

- Examine the stabiliser bushes. Replace them if necessary.

11 Clean the mounting seats of the stabiliser link. Use a wire brush. Use WD-40 spray.

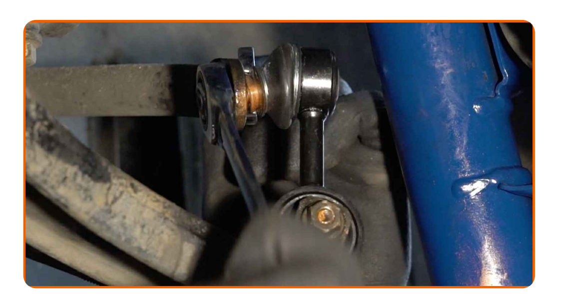


12 Install the transverse stabilizer link.



13 Install the fastening bolt.

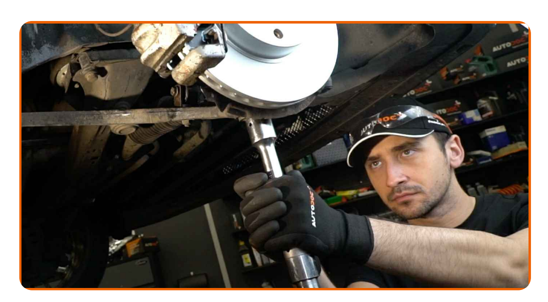
14 Tighten the stabiliser link fastener. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.







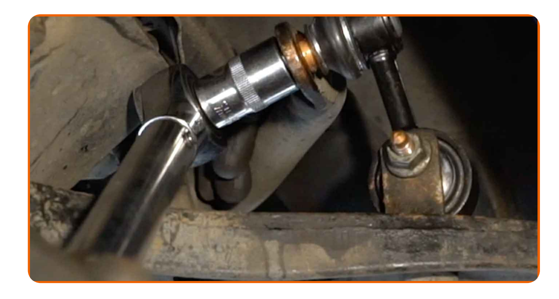
15 Support the arm. Use a hydraulic transmission jack.



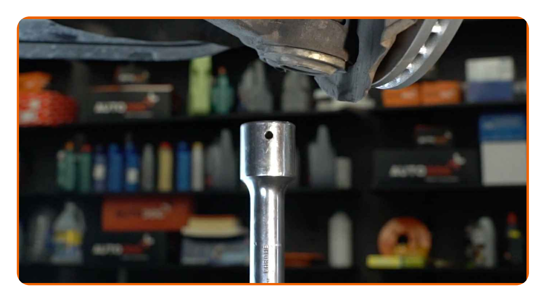
16 Tighten the fastener connecting the stabilizer bar with the control arm. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 42 Nm torque.



17 Tighten the fastener connecting the stabilizer link to the stabilizer bar. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 59 Nm torque.

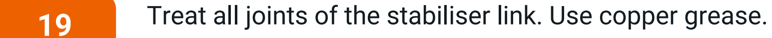


18 Remove the support from under the arm.

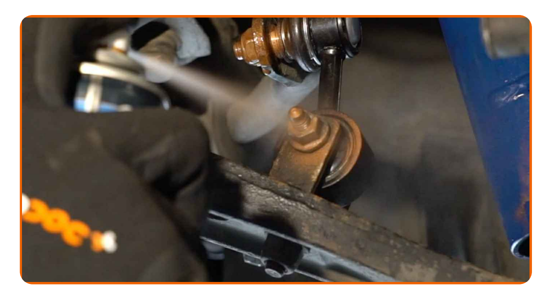


AUTODOC recommends:

- Replacement: anti roll bar links – BMW E36. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.



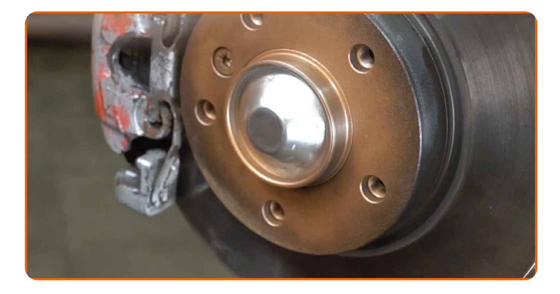
19 Treat all joints of the stabiliser link. Use copper grease.



20 Clean the wheel rim mounting seat. Use a wire brush.



21 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



22 Clean the brake disk surface. Use a brake cleaner.





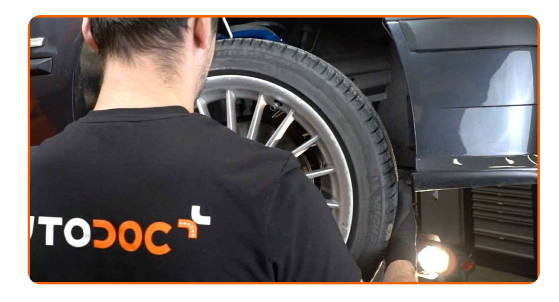




AUTODOC recommends:

- Replacement: anti roll bar links – BMW E36. After applying the spray, wait a few minutes.

23 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. BMW E36

24 Screw in the wheel bolts. Use wheel impact socket #17.



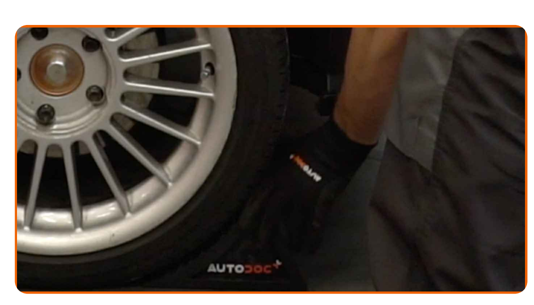
25 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.







26 Remove the jacks and chocks.



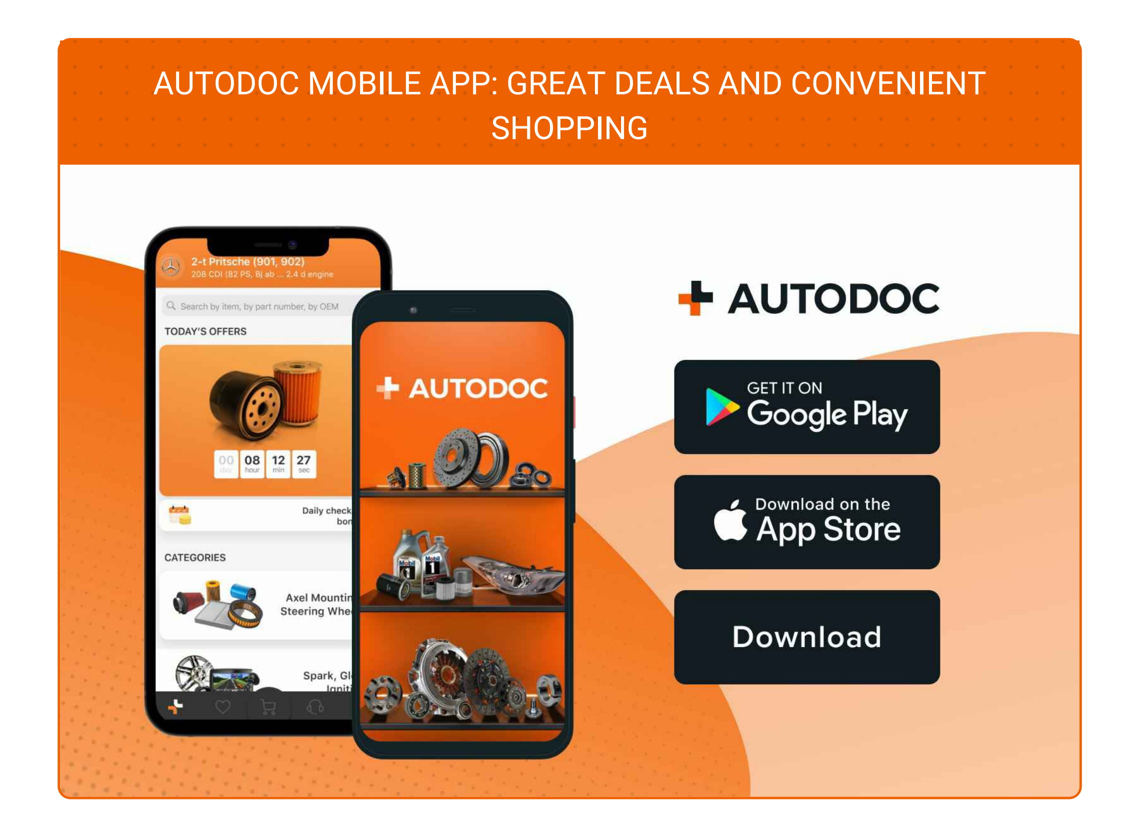
WELL DONE!







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